

## عنوان مقاله:

The Assessment of Urban Road Network Vulnerability on earthquake using geographic Information System(GIS),(  
(Case Study ; District 5 of Zone3 of Zanzan City, IRAN

## محل انتشار:

دومین کنگره بین المللی علوم زمین و توسعه شهری (سال: 1395)

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## خلاصه مقاله:

Communication roads is as one of the vital arteries of the cities. According to the undeniable importance of communication and according to that transport is, one of the four basic functions of cities any disturbance in the system will interfere with the whole urban system. So the importance of preparation and the need for planning Requires us To know Strengths and weaknesses this system. In this study, using 7 Index- Road network hierarchy ,Quality of buildings ,Type of building skeleton, Facade materials, life of buildings, Building Floors & Building Density- And using the analytic hierarchy process(AHP) has been assessed the Vulnerability of Road network for district 5 of zone 3 of Zanzan city, using geographic Information system. The results indicate that BISIM Neighborhoods road has The highest Vulnerability. Secondly, TRANSE Neighborhood is the vulnerable .Mutually KOCHÉ MESHKI .Neighborhoods has The lowest vulnerability

## کلمات کلیدی:

earthquake, Road network vulnerabilities, Analytical Hierarchy Process, geographic Information system, district 5 of zone3 of zanzan city

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/525888>

